

[illegible]

4. The method according to claim 1, wherein establishing a wireless communication connection comprises establishing a wireless circuit switched communication connection.

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6. The method according to claim 5, wherein determining call parameters for establishing the wireless circuit switched communication connection comprises extracting call parameter information from the data being transmitted.

7. The method according to claim 5, wherein determining call parameters for establishing the wireless circuit switched communication connection includes at least one of identifying a call destination and determining a rate of data transmission.

8. The method according to claim 4, further comprising connecting the wireless circuit switched communication connection with a PSTN.

9. The method according to claim 4, further comprising connecting the wireless circuit switched communication connection with the Internet.

10. The method according to claim 9, wherein connecting the wireless circuit switched communication connection with the Internet includes providing a gateway server operatively between a wireless circuit switched communication network and the Internet.

11. The method according to claim 2, wherein using packet transmission to transmit delay insensitive data comprises using packet transmission to send data over the Internet.

12. The method according to claim 11, further comprising connecting the Internet connection to a PSTN.

13. The method according to claim 1, wherein the delay sensitive data includes one or more of voice data, video data, and multimedia data.

14. The method according to claim 1, wherein the data being transmitted is multimedia data comprising a delay sensitive portion and a delay insensitive portion, the delay sensitive portion being transmitted by the wireless communication connection and the delay insensitive portion being transmitted by packet transmission.

15. The method according to claim 1, wherein the data being transmitted is initially packetized, each data packet comprising a header and payload, wherein identifying if the data being transmitted is delay sensitive or delay insensitive comprises:

identifying an application identifier in a respective packet header; and

depending on the application identifier, examining the packet payload.







35. A wireless data terminal comprising:

a data analyzer for identifying whether data transmitted by the terminal is delay sensitive or delay insensitive;

a wireless circuit transmission system for transmitting delay sensitive data; and

a wireless packet transmission system for transmitting delay insensitive data.

36. The terminal according to claim 35, wherein said wireless transmission system is constructed and arranged to establish a wireless circuit switched communication connection.

37. The terminal according to claim 36, wherein said wireless transmission system comprises a computer peripheral card.

38. The terminal according to claim 35, wherein said packet transmission system is constructed and arranged to communicate with a packet data network.

39. The terminal according to claim 38, wherein the packet transmission system is constructed and arranged to communicate with a wireless data network.

40. The terminal according to claim 38, wherein the packet transmission system is constructed and arranged to communicate with the Internet.

41. A data communication network comprising a node on the data communication network constructed and arranged to selectively communicate with a cellular communication network or a wireless data network depending on whether data being sent to or received by the node is delay sensitive or delay insensitive.

42. The network according to claim 41, wherein the node is a wireless data terminal.